

Fig. 1

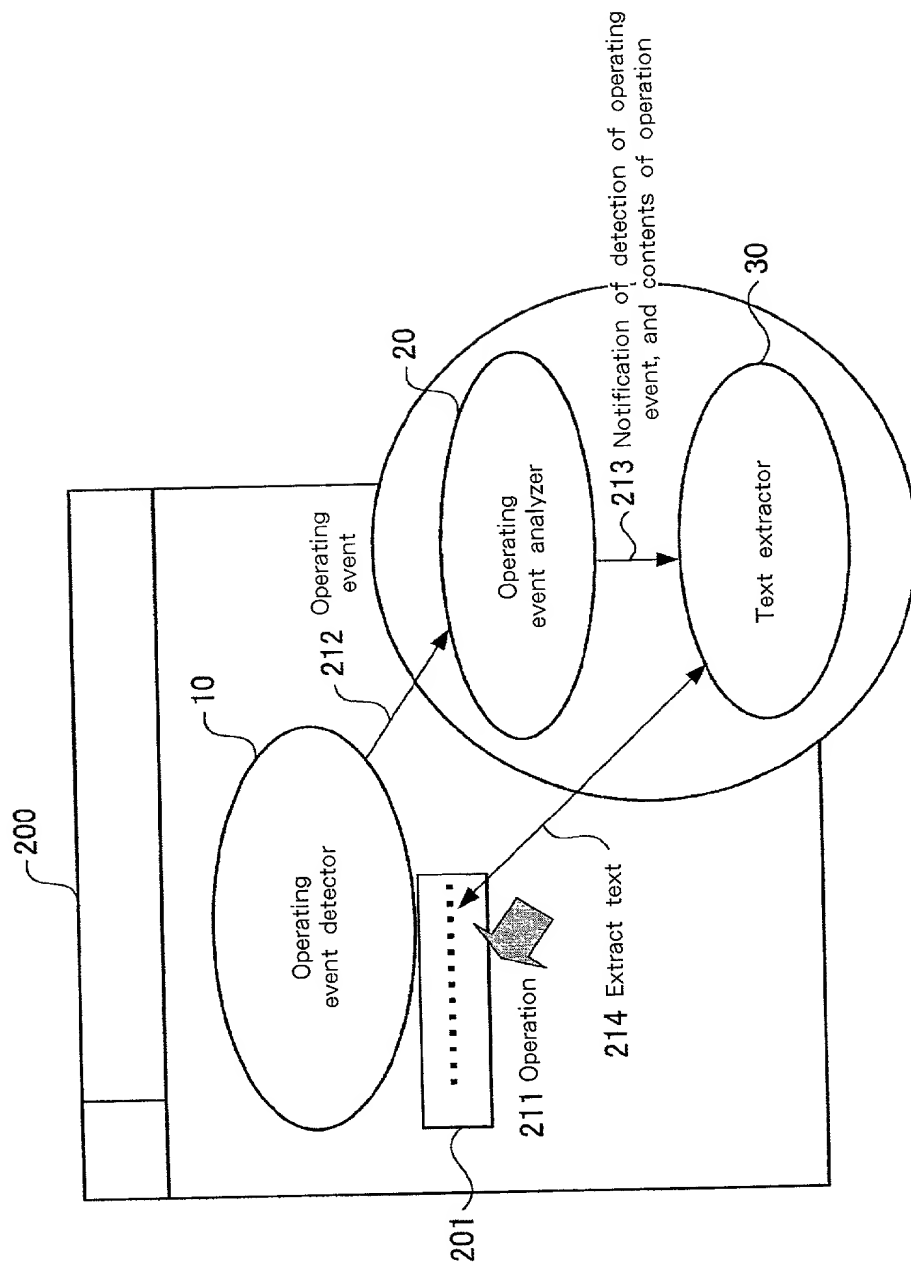


Fig. 2

Program list

```
1: function getSelectedText (sl)
2: {
3:     tr=sl.createRange() ;
4:     return tr.text
5: }
```

Fig. 3

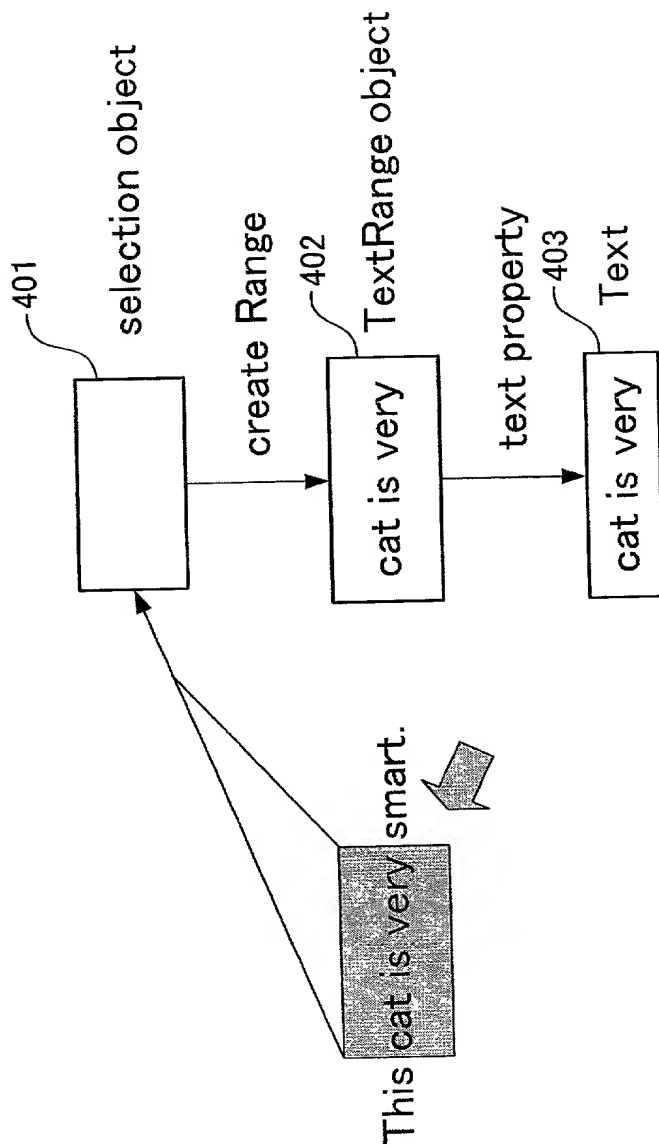


Fig. 4

Program list

```
1: function getLinkTagText(anchor)
2: {
3:     return anchor.innerText
4: }
5:
6: function getLinkText(x, y)
7: {
8:     tr=document.body.createTextRange();
9:     tr.moveToPoint(x, y);
10:    changeTaxtRange(tr);
11:    return tr.text;
12: }
```

Fig. 5

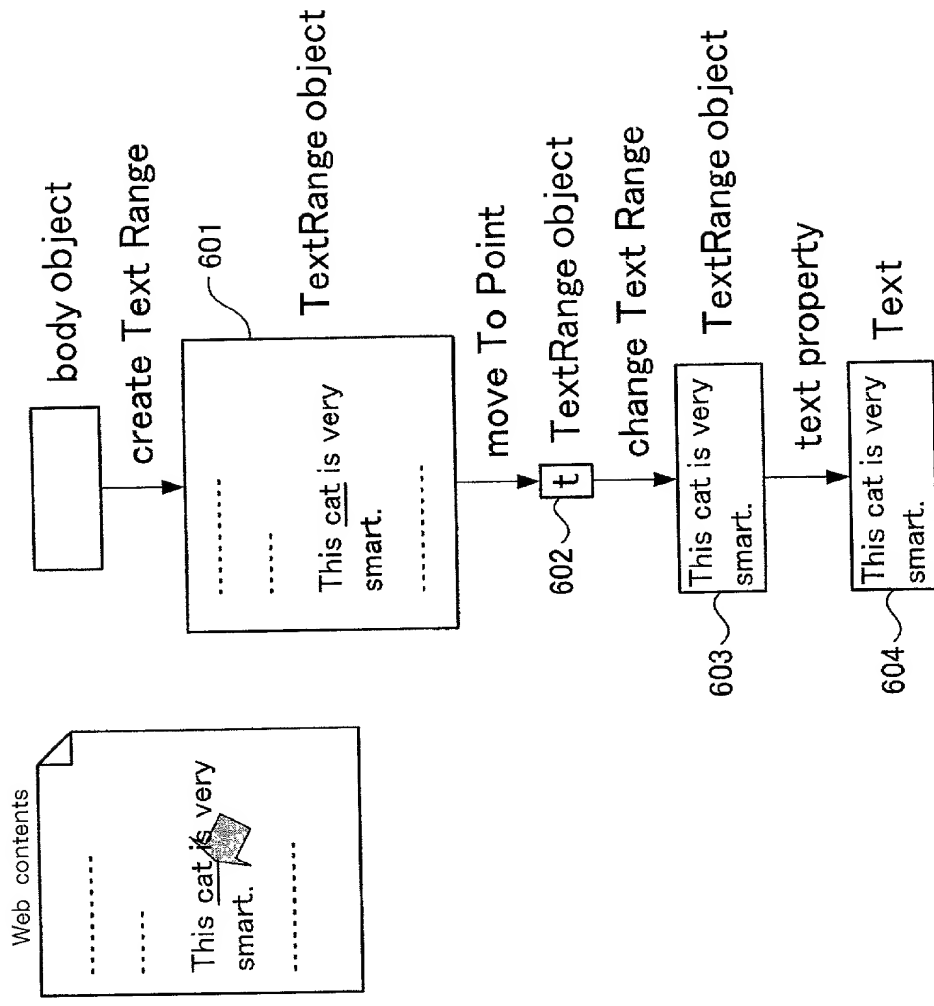


Fig. 6

leftchar2 centerchar2 rightchar2
This dog barks at postmen. because he
enjoys their frightened faces.
leftchar1 centerchar1 rightchar1

Fig. 7

Program list

```

1: function getTracedText (x, y, up)
2: {
3:     tr=body. createTextRange () ;
4:     tr. moveToPoint (x, y) ;
5:     if (up==true)
6:     {
7:         centerchar1=tr. text;
8:         tr. move (CMOVE) ;
9:         rightchar1=tr. text;
10:        tr. move (-2*CMOVE) ;
11:        leftchar1=tr. text;
12:        i=PMOVE;
13:        while (i<Um)
14:        {
15:            tr. moveToPoint (x, y-i) ;
16:            centerchar2=tr. text;
17:            tr. move (CMOVE) ;
18:            rightchar2=tr. text;
19:            tr. move (-2*CMOVE) ;
20:            leftchar2=tr. text;
21:            if (centerchar1!=centerchar2 |
                rightchar1!=rightchar2 |
                leftchar1!=leftchar2)
22:                break;
23:            i+=PMOVE
24:        }
25:        tr. move (CMOVE) ;
26:    }
27:    changeTextRange (tr) ;
28:    return. text;
29:}

```

Fig. 8

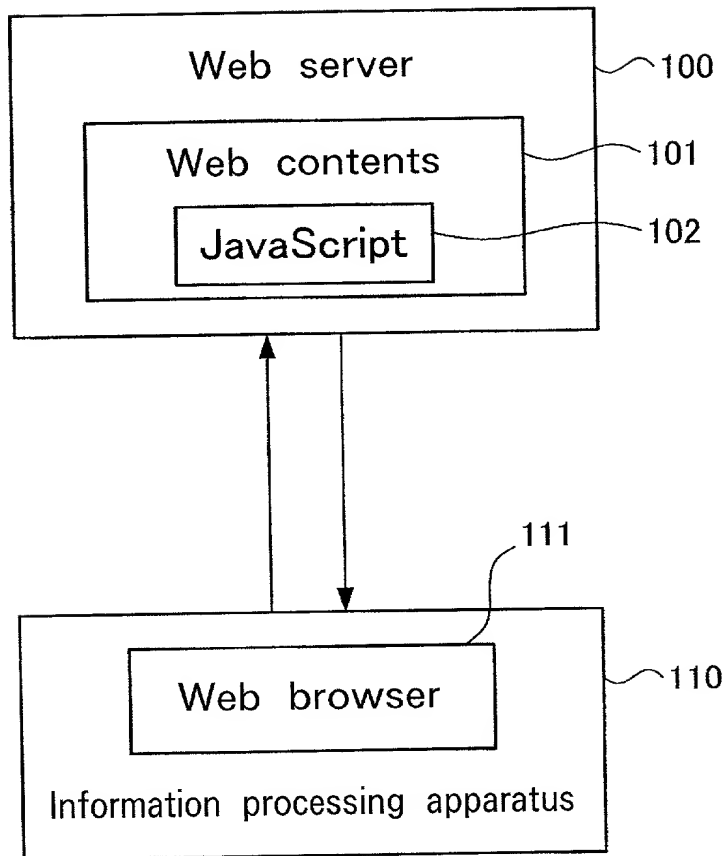


Fig. 9

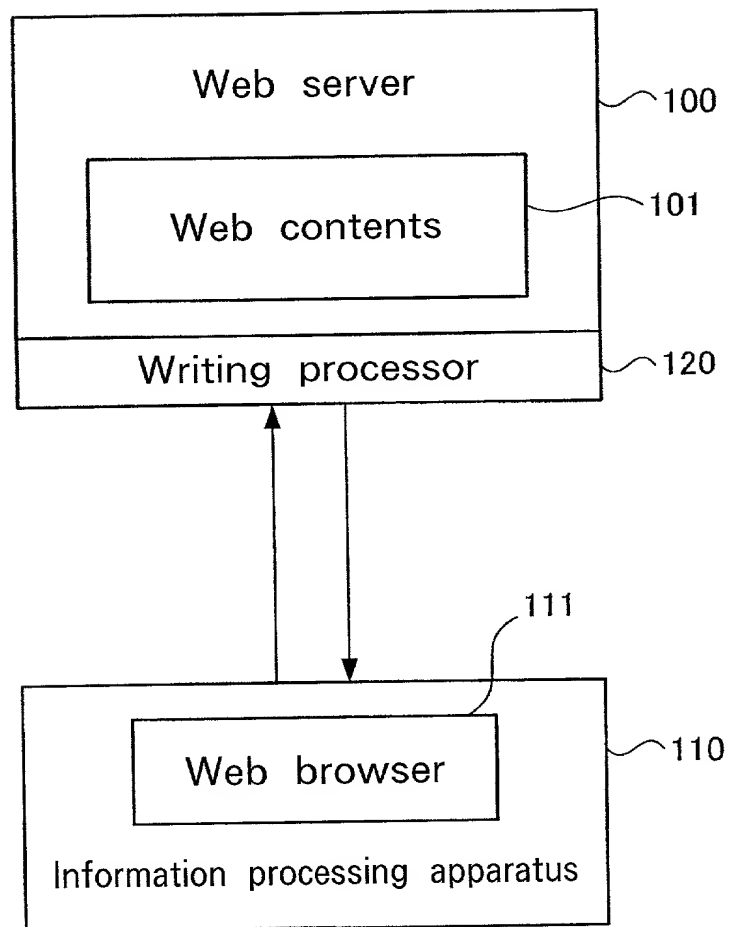


Fig. 10

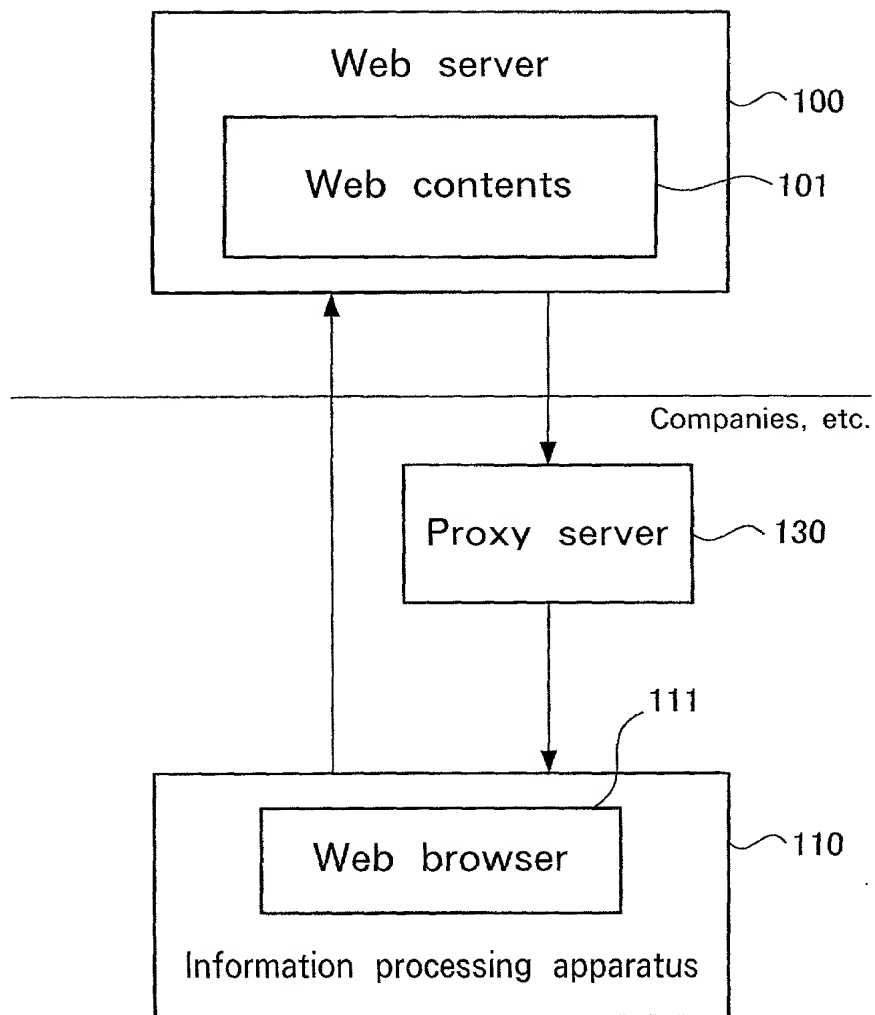


Fig. 11

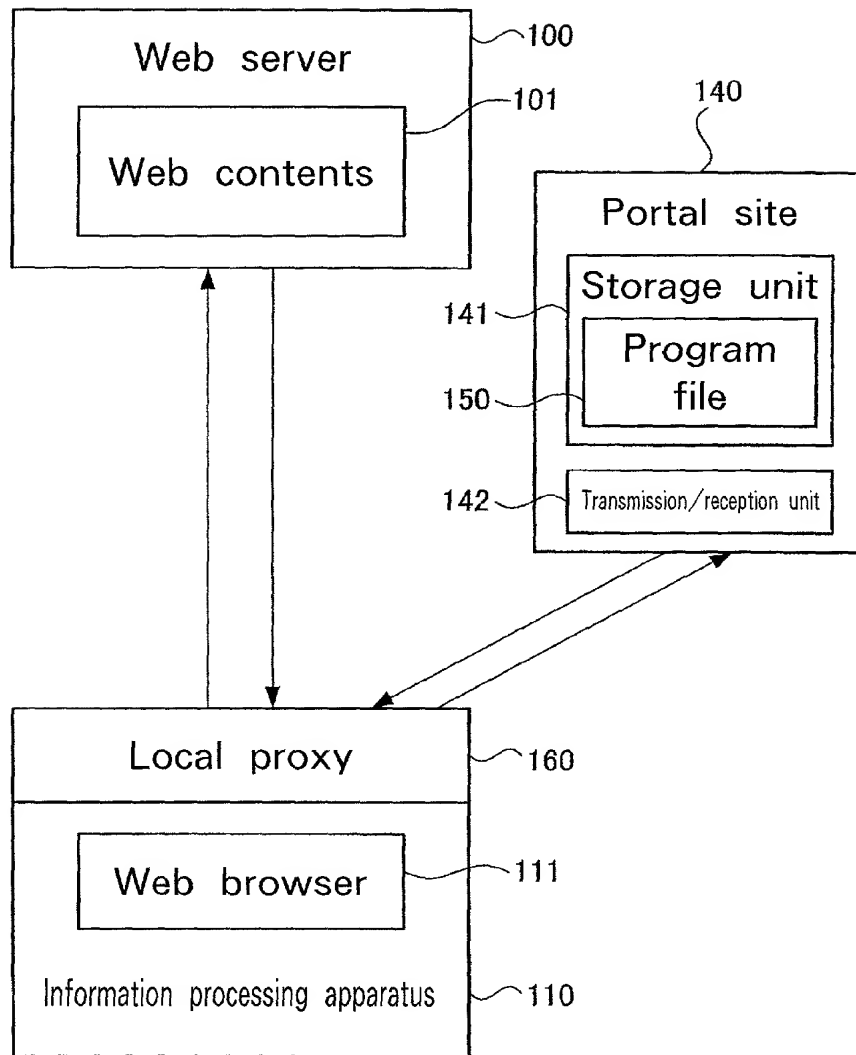


Fig. 12

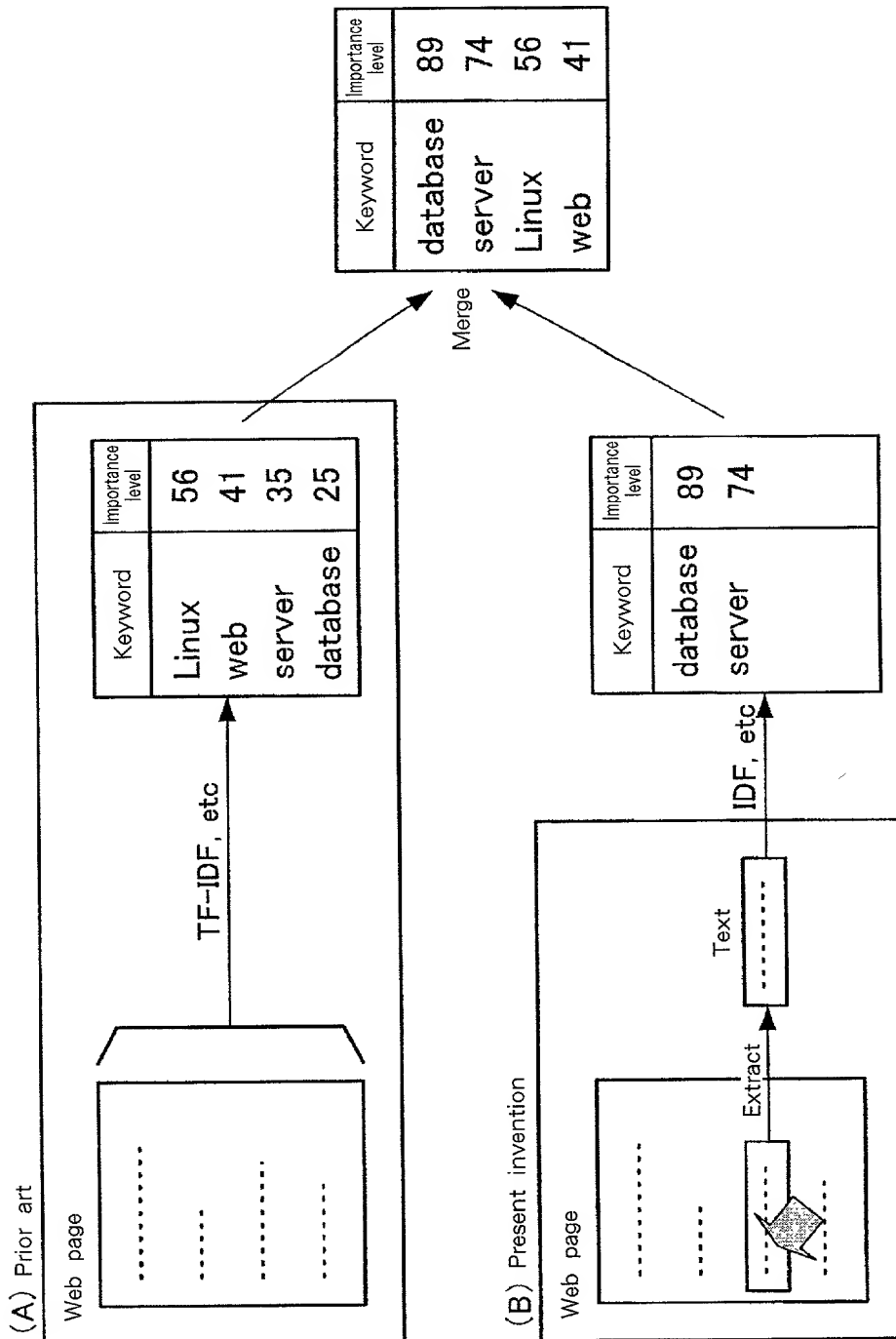


Fig. 13